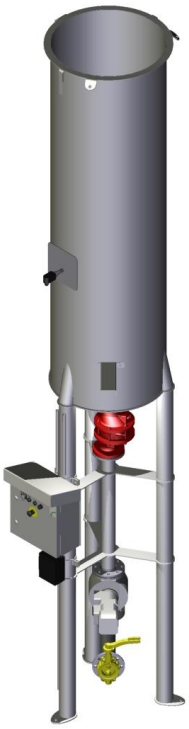
ENVIRONTEC
BIOGAS SOLUTIONS

GAS FLARE FAII



- Outstanding value proposal
- Low noise & low emissions pursuant to TA-Luft 5.3.8.1a2
- Concealed combustion
- Fully automatic control, flame monitoring and ignition mechanism
- Certified fittings
- Incl. deflagration protection according ATEX
- Wide operating range (percent load)
- Entirely made from stainless steel
- Various accessories available on request
- Made in Austria

ENVIRONTEC`S EMERGENCY BIOGAS FLARE

The operation of biogas or sewage treatment plants may necessitate the safe combustion of excess gas (e.g. start-up phase, repairs or severe consumer damages). The EnvironTec gas flare FAII series provides the operator with an automatically controlled, safe and low-emission gas flare. The robust and functional design of the FAII primarily ensures a long service life, low maintenance and constant availability.

Flare operation is fully automated, i.e., on receipt of the start or stop signal the controller (Siemens PLC) automatically opens the relevant fittings and simultaneously initiates the ignition sequence. The flame is continually monitored by a UV sensor. The current standby/operating status is indicated by control lamps on the switch cabinet and reported to the central controller.
The FAII is fitted with a plastic switch cabinet (IP66) with integrated Siemens PLC as standard. Alternatively, an automatic burner control system can be employed.

Gas combustion is via a diffusion burner as standard, however, an injection burner can also be fitted, if required.

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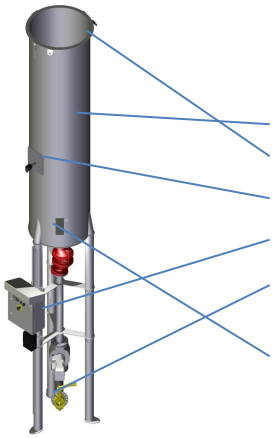
If desired, the FAII flare can be equipped with additional accessories such as pressure control, pilot burner system, electrically heated fittings or temperature monitoring.

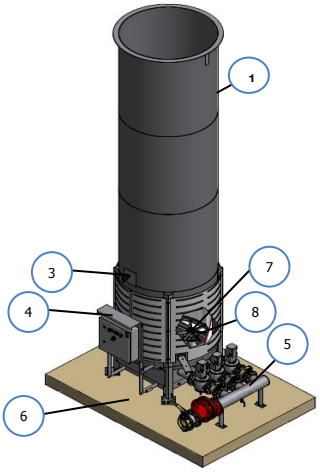
EnvironTec FAII biogas flares are entirely made from stainless steel and fitted with high-quality components/fittings.

APPLICATIONS AND SPECIFICATIONS

- Fully automated gas flare operation for the combustion of biogas and other combustible gases pursuant to TA-air 5.4.8.1a2
- Safe and quiet combustion
- Pilot burner system, pressure control, Fitting line trace heating, injection burner on customer request
- Switch cabinet available in stainless steel (plastic IP66 as standard)



1. Flame tube / combustion chamber
2. Cable stay collar
3. UV probe / flame monitor
4. IP66 switch cabinet
5. Gas line
6. Foundation
7. Electrode ignition
8. Burner head



Model size	Height	Diameter	Flow rate	weight
	mm	mm	Nm³/h	kg
FAII 50	3848	406	20 - 80	150
FAII 100	4108	506	80 – 150	180
FAII 200	4348	606	150 – 250	220
FAII 300	4848	711	250 – 350	280
FAII 400	5348	813	350 – 430	320
FAII 500	5598	813	430 – 550	390
FAII 750	6848	955	550 – 850	650
FAII 1000	10348	1273	850 – 1100	950
FAII 1500	7048	1430	max. 1500	1000
FAII 1800	8048	1590	max. 1800	1600
FAII 3200	9148	1910	max. 3200	2500

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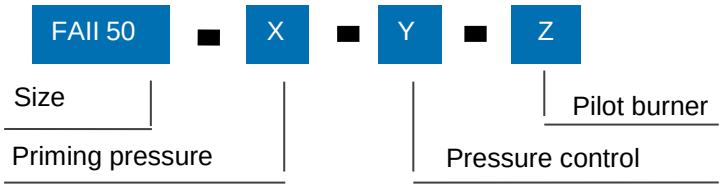
TYPE SPECIFICATION



X	lp priming pressure 10-60mbar hp priming pressure 60-120mbar	Y	TH trace heating PC pressure control	Z	PBI Profibus interface PB Pilot burner system